

Application No. 10/663,502  
Amendment dated February 28, 2005  
Reply to Office Action of November 29, 2004

Amendments to the Specification:

Please delete the abstract of the disclosure and substitute the following paragraph  
therefore:

An improved roadway crack sealing apparatus (300, 314) is provided which includes a crack sealing assembly having an emulsion container supported on a frame, wheels supporting the frame, a handle extending from the frame, a lever operable to control selectively open and close an emulsion outlet, and a video camera positioned to permit an operator to visually locate and follow a roadway crack during the sealing process. In preferred forms, the apparatus also includes a fill hopper and a fill outlet. Other preferred forms include a remote transmitter and a remote receiver, which permit the operation of the apparatus from a remote location. ~~Improved roadway crack sealing apparatus (20) is provided which includes a mobile vehicle (26) with a forward crack sealing assembly (22) and a following finishing assembly (24). The assembly (22) includes laterally spaced apart fill and sealant hoppers (30, 36) each equipped with selectively openable outlets (32, 34, 38) and an elongated roadway crack sighting passageway (128) therebetween. The fill hopper preferably has a pair of outlets (32, 34), with the sealant hopper (38) between the latter so that a crack is sealed by sequential application of fill, sealant and additional fill. In use, an operator within the vehicle compartment (162) visually locates a crack (28) through the passageway (128), and steers the vehicle (26) accordingly, the operator also manipulates appropriate controls for selectively opening the outlets (32, 34, 38). The finishing assembly (24) includes a series of lateral brushes which sweep and finish the sealed crack and~~

~~crack and adjacent roadway.~~

On pages 16-17, please replace the paragraph beginning at line 25 of page 16 with the following paragraph:

Fig. 18 illustrates a personal-sized embodiment 314 of the present invention.

Embodiment 314 comprises a perimeter frame 316, a handle 318, an emulsion hopper 320, and a fill hopper 322. Embodiment 314 is further ~~provide~~ provided with wheels 324 which facilitate movement. The emulsion hopper is provided with an emulsion outlet 326, preferably in the form of a nozzle, while fill hopper 322 is provided with a fill outlet 328. Outlets 326 and 328 are controlled by levers 330 and 332, respectively, located on handle 318. Levers 330 and 332 are operatively connected to cables 334 and 336, respectively, which control the opening and closing of outlets 326 and 328. In preferred forms, the operator of embodiment 314 is provided with a direct view of the crack to be sealed through sighting passageway 338 which is located between emulsion hopper 320 and fill hopper 322. Of course, the small size of embodiment 314 would also permit a direct view of the crack to result from reorienting the apparatus such that nozzle 326 extended out from the side of hopper 320. Such an orientation would allow the operator to follow a crack by positioning the edge of the emulsion hopper alongside a crack such that nozzle 326 was maintained directly over the crack being sealed as the apparatus moved forward.[[.]] As with the other embodiments of this invention, the fill hopper 322 can be moved about on the apparatus or removed entirely if the filling function is not needed.